

## Abstract

A transmission with a simple structure and mechanism, light-weight and compact is realized.

A first rotation shaft 13 coaxially fixed to a first turning transmission wheel 5 and a second rotation shaft 14 coaxially fixed to a second turning transmission wheel 6 are arranged in parallel with each other. A support shaft 17 is arranged to extend between the first turning transmission wheel 13 and the second turning transmission wheel 14. An intermediary transfer wheel 16 is provided on the support shaft rotatably and movably along the longitudinal direction of the support shaft 17. The intermediary transfer wheel 16 contacts with the side peripheral surface 9 of the first turning transmission wheel 5 and the side peripheral surface 10 of the second turning transmission wheel 6 and moves longitudinally along the support shaft 17 while maintaining the contact. The first rotation shaft 13 is rotated by a power device 19 and its rotation can be transmitted with variable speed to the second rotation shaft 14.

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